

Science Olympiad

Road Scholar B

- 1) 1:7,000,000
- 2) Alaska and Hawaii
- 3) The Great Lakes
- 4) 4 lakes
- 5) 400 miles [acceptable range: 350 to 500 miles]
- 6) 17.5 hours [acceptable range: 16 to 20 hours]
- 7) Fewer lakes and rivers exist because the climate is drier / it is semi-arid / deserts exist in the southwest USA.
- 8) The Great Salt Lake
- 9) The Continental Divide
- 10) New Mexico, Colorado, Wyoming, Idaho, Montana
- 11) South Platte, Arkansas, Rio Grande, and Colorado Rivers
- 12) South Platte, Platte, Missouri, and Mississippi Rivers
- 13) The Atlantic
- 14) Mississippi
- 15) South and West
- 16) The Gulf of Mexico
- 17) 20 miles [acceptable range: 19 to 21 miles]
- 18) B [5,000 people]
- 19) 1:24,000
- 20) Larger scale
- 21) Equator

22) The North Pole is at Latitude 90 Degrees North. Halfway to the Pole is 45 degrees north latitude. Ellisville is only at 31 degrees, and therefore is closer to the equator than the North Pole.

23) Prime Meridian

24) The Prime Meridian is 0 degrees longitude; the International Date Line is 180 degrees longitude. Halfway is 90 degrees west longitude. Ellisville is located at 89 degrees west longitude, and therefore is closer to the Prime Meridian.

25) Longitude lines converge (get closer together) as one travels toward the poles, and therefore, the map's width is shorter than its height.

26) At the equator.

27) Tallahoma Creek and Tallahala Creek.

28) Interstate Highway 59 and US Highway 11

29) Yes

30) No

31) B [Hilly with some flatlands]

32) South.

33) Southeast.

34) The Athletic Field.

35) An orchard

36) 180 degrees

37) No

38) Section 22, Township 7 North, Range 12 West.

39) Powerline

40) Yes (the site is wooded)

41) 52,800 feet

42) 40 feet

- 43) .075 % [acceptable range: .05% to .1%]
- 44) Flatter
- 45) It's quite flat here. The creek is falling at a grade of much less than 1%!
- 46) 219 feet above sea level
- 47) Artificial
- 48) It is a sewage disposal pond!
- 49) State Highway 590
- 50) 1964 and 1982